# INSTRUCTORS BIO

**Eul-Bum (EB.) Lee**, Ph.D, PE, PMP: EB Lee has more than 15 years of experience in the highway construction industry (engineering, construction, and project management for pavement and bridge structures). As an assistant research engineer currently working in the University of California at Berkeley - Institute of Transportation Studies (Pavement Research Center), his professional and research interests have focused on the "Construction Management for Highway Infrastructures" including: (1) Constructability Analysis, (2) Traffic Analysis (Macro- and Microscopic Simulation), (3) Life Cycle Cost Analysis, (4) Project Delivery System Analysis (A+B, Warranty, Incentive/Disincentive, Pay Factor,) (5) Environmental Analysis (Materials Recycling and Environmental Aspects). His research, as a good example of inter-disciplinary integration of Construction and Transportation, defined the optimal balance between the design, materials, construction, and traffic for urban freeway reconstruction projects. Based on his doctoral research at the UC Berkeley Construction Engineering and Management Program, he developed the professional level of knowledge-based simulation software program for Construction Analysis for Pavement Rehabilitation Strategy (*CA4PRS*) utilizing SQL database and MS Visual Basic 6.0 with a pooled research fund from the Department of Transportation of California, Texas, Minnesota, and Washington State. He has been involved into Caltrans' Long-life Pavement Rehabilitation Strategies (LLPRS) projects including the I-10 Pomona, I-710 Long Beach, and I-15 Devore projects since 1998. His research work has been published for a variety of professional civil engineering society and transportation journals.

EB Lee's contact point is: **eblee@berkeley.edu** or **(510)-231-5693**.

For more information, refer to the following EB Lee's web page:
**http://www.ce.berkeley.edu/~eblee.**

EB Lee's research colleague, **John Harvey**, (Ph.D, PE.), an associate professor in the Department of Civil and Environmental Engineering at University of California – Davis, will join the workshop as a guest speaker, and he will give an one-hour summary presentation to District (Region) Managers and Executives before the main workshop starts.

# CA4PRS TRAINING WORKSHOP SCHEDULE (ONE-DAY)

## MODULE I: MORNING SESSIONS

| | |
|---|---|
| 8:30 – 8:45 | Workshop Start-up |
| 8:45 – 9:45 | CA4PRS Introduction |
| 9:45 – 10:00 | Morning Break (1) |
| 10:00 – 11:00 | PCC Demonstration |
| 11:00 – 11:10 | Morning Break (2) |
| 11:10 – 12:00 | Lab Exercise 1 (PCC) |

12:00 – 1:00 LUNCH BREAK

## MODULE II: AFTERNOON SESSIONS

| | |
|---|---|
| 1:00 – 2:00 | Crack-seat & AC Overlay Demonstration |
| | Full-depth AC Replacement Demonstration |
| 2:00 – 2:10 | Afternoon Break (1) |
| 2:10 – 3:00 | Lab Exercise 2 (Crack-seat & AC Overlay) |
| 3:00 – 3:10 | Afternoon Break (2) |
| 3:10 – 4:00 | Lab Exercise 3 (Full-depth AC) |
| 4:00 – 4:30 | Workshop Wrap-up |

# CA4PRS COURSE MATERIALS

## (TABLE OF CONTENTS)